

Final 1998 Section 303(d) List - WRIA 48

Water Name	ANDREWS CREEK		
Parameter	Dissolved Oxygen	Mediu	Water
Place on 1998 List?	<input type="checkbox"/> No	Listed in 1996	<input type="checkbox"/> No Action Needed <input type="text" value="None"/>
New Segment ID #	PU33PU	Old Segment ID #	WA-48-1058
Stream Route #	4.577	Water Resource Inventory Area	48
Township	38N	Waterbody Grid #	
Range	22E	Grid Latitude	
Section	06	Grid Longitude	
Basis for Consideration of Listing	1 excursion beyond the criterion at USGS station 12447390 (near Mazama) on 7/31/91.		
Remarks	A single excursion beyond the criterion does not meet the Water Quality Program Policy for listing.		

Water Name	ANDREWS CREEK		
Parameter	4,4'-DDE	Mediu	Water
Place on 1998 List?	<input type="checkbox"/> No	Listed in 1996	<input type="checkbox"/> No Action Needed <input type="text" value="None"/>
New Segment ID #	PU33PU	Old Segment ID #	WA-48-1058
Stream Route #	4.577	Water Resource Inventory Area	48
Township	38N	Waterbody Grid #	
Range	22E	Grid Latitude	
Section	06	Grid Longitude	
Basis for Consideration of Listing	1 excursion beyond National Toxics Rule (40 CFR Part 131) criterion at USGS station 12447390 on 12/2/71.		
Remarks	A single excursion beyond the criterion does not meet the Water Quality Program Policy for listing.		

Water Name	BEAVER CREEK		
Parameter	Instream Flow	Mediu	Habitat
Place on 1998 List?	Yes	Listed in 1996	Yes Action Needed Other Control
New Segment ID #	EY94AH	Old Segment ID #	WA-48-1021
Stream Route #	0	Water Resource Inventory Area	48
Township	33N	Waterbody Grid #	
Range	22E	Grid Latitude	
Section	27	Grid Longitude	
Basis for Consideration of Listing	<p>The stream meets all the Water Quality Program Policy criteria for inadequate instream flow. The Spring and Summer Chinook and Summer Steelhead stocks in the Methow River are listed as depressed (SASSI, 1994). Summer Steelhead have been listed as endangered in August 1997 under the Endangered Species Act. The Yakama Indian Nation (submittal by Carrol Palmer on 2/28/96) reports that the Creek at Highway 153 was often dry in August and September from 1991-1994 and that on 3 occasions the Tribe found the entire flow of the Creek being diverted into an irrigation ditch at RM 3. The Yakama Indian Nation also noted juvenile Chinook and Steelhead below the diversion in the winter/spring of 1992-1994. USGS flow measurements found the Creek flow at Highway 153 to be zero on 9/1/67 and 9/16/70. The USGS also measured daily flows in Beaver Creek upstream of the large RM 3.0 diversion from 1956-1960. The lowest single daily flow during those years was 6.5 cfs. The flow was never zero. A miscellaneous measurement by USGS on 8-4-1956 found 8.73 cfs in an upstream tributary - the South Fork Beaver Creek, while the flow near the mouth of Beaver Creek was 0.4 cfs on the same day. The USGS daily flow site between the two measurements showed the lowest single day flow in September of 1956 was 10.5 cfs. This shows a large diversion of nearly all the water in Beaver Creek on that day.</p>		
Remarks			

Water Name	CHEWACK RIVER		
Parameter	Instream Flow	Mediu	Habitat
Place on 1998 List?	Yes	Listed in 1996	Yes Action Needed Other Control
New Segment ID #	BG74VW	Old Segment ID #	WA-48-1052
Stream Route #	5.808	Water Resource Inventory Area	48
Township	35N	Waterbody Grid #	
Range	22E	Grid Latitude	
Section	35	Grid Longitude	
Basis for Consideration of Listing	<p>Caldwell and Catterson, 1992.SASSI, 1993 , Spring Chinook Stock is Depressed. Summer Steelhead have been listed as endangered in August 1997 under the Endangered Species Act.; Nehlson, et al. 1991 , Summer Chinook are at moderate risk of extinction and Summer Steelhead are at a high risk of Extinction.; The river meets all the Water Quality Program Policy criteria for inadequate instream flow and has been added to the list. The name was officially changed from the Chewuch River to the Chewack Rivera couple of years ago. The Chewack River spring Chinook and Methow River spring and summer Chinook and the summer steelhead stocks are listed as depressed (SASSI, 1994). The Methow River IFIM Report provides the hydrology, fish population information, IFIM fish habitat flows needed by the fish at RM 1.3, and the quantities of flow diverted by the biggest irrigation ditches. The ditches remove a large part of the river flow in late summer and fall. The existing river flow is far below what is needed by the fish at that time. Included is a 1992 memo summarizing a consensus by the agencies and Tribes of the flows needed by the Chewack River fish.</p>		
Remarks			

Water Name	EARLY WINTERS CREEK		
Parameter	Instream Flow	Mediu	Habitat
Place on 1998 List?	Yes	Listed in 1996	Yes Action Needed Other Control
New Segment ID #	YI72PH	Old Segment ID #	WA-48-1061
Stream Route #	2.982	Water Resource Inventory Area	48
Township	36N	Waterbody Grid #	
Range	19E	Grid Latitude	
Section	27	Grid Longitude	
Basis for Consideration of Listing	<p>Caldwell and Catterson, 1992. Nehlson, et al. 1991 , Summer Chinook are at moderate risk of extinction and Summer Steelhead are at a high risk of extinction.; The stream meets all the Water Quality Program Policy criteria for inadequate instream flow and has been added to the list. The Methow River spring and summer Chinook and the summer steelhead stocks are listed as depressed (SASSI, 1994). Summer Steelhead have been listed as endangered in August 1997 under the Endangered Species Act.; The Methow River IFIM Report provides the hydrology, fish population information, IFIM fish habitat flows needed by the fish at RM 1, and the quantities of flow diverted by the biggest irrigation ditches. The ditches remove a large part of the river flow in late summer and fall. The existing creek flow is far below what is needed by the fish at that time. A 1992 memo summarizing a consensus by the agencies and Tribes of the flows needed by the Early Winters Creek fish.</p>		
Remarks			

Water Name	METHOW RIVER		
Parameter	Instream Flow	Mediu	Habitat
Place on 1998 List?	<input type="checkbox"/> Yes	Listed in 1996	<input type="checkbox"/> Yes Action Needed Other Control
New Segment ID #	EO28MQ	Old Segment ID #	WA-48-1050
Stream Route #	111.351	Water Resource Inventory Area	48
Township	36N	Waterbody Grid #	
Range	19E	Grid Latitude	
Section	26	Grid Longitude	
Basis for Consideration of Listing	Caldwell and Catterson, 1992.SASSI, 1993 , Spring and Summer Chinook, and Summer Steelhead Stocks are depressed. Summer Steelhead have been listed as endangered in August 1997 under the Endangered Species Act.; Nehlson, et al. 1991 , Summer Chinook are at moderate risk of extinction and Summer Steelhead are at a high risk of extinction.; Four segments of the river meets all the Water Quality Program criteria for inadequate instream flow and have been added to the list. The Methow River spring and summer Chinook and the summer steelhead stocks are listed as depressed (SASSI, 1994). The Methow River IFIM Report provides the hydrology, IFIM fish habitat flows needed by the fish at the Chokeberry Site (RM 66.5), and the quantities of flow diverted by the biggest irrigation ditches. The ditches remove about 50% of the river flow and the existing river flow is far below what is needed by the fish. A 1992 memo summarizes a consensus by the agencies and Tribes of the flows needed by the Methow River fish reach by reach.		
Remarks			

Water Name	METHOW RIVER		
Parameter	Temperature	Mediu	Water
Place on 1998 List?	<input type="checkbox"/> No	Listed in 1996	<input type="checkbox"/> Yes Action Needed None
New Segment ID #	YX20MG	Old Segment ID #	WA-48-1010
Stream Route #	0.252	Water Resource Inventory Area	48
Township	30N	Waterbody Grid #	
Range	23E	Grid Latitude	
Section	21	Grid Longitude	
Basis for Consideration of Listing	1 excursion beyond the criterion out of 35 samples (3%) at Ecology ambient monitoring station 48A070 (RM 5.0) between 9/91 and 9/96.;		
Remarks	A single excursion beyond the criterion does not meet the Water Quality Program policy for listing.		

Water Name	METHOW RIVER		
Parameter	pH	Mediu	Water
Place on 1998 List?	<input type="checkbox"/> No	Listed in 1996	<input type="checkbox"/> No Action Needed <input type="checkbox"/> None
New Segment ID #	EO28MQ	Old Segment ID #	WA-48-1020
Stream Route #	63.518	Water Resource Inventory Area	48
Township	33N	Waterbody Grid #	
Range	22E	Grid Latitude	
Section	20	Grid Longitude	
Basis for Consideration of Listing	2 excursions beyond the criterion at Ecology ambient monitoring station 48A130 (RM 38.3) on 10/13/87 and 3/15/88.		
Remarks	These excursions beyond the criterion are a natural condition with no direct human caused influence due to chemosynthetic iron oxidizing bacteria based on the 4/97 judgement of Kim Sherwood (Dept. of Ecology).		

Water Name	METHOW RIVER		
Parameter	Instream Flow	Mediu	Habitat
Place on 1998 List?	<input checked="" type="checkbox"/> Yes	Listed in 1996	<input checked="" type="checkbox"/> Yes Action Needed <input type="checkbox"/> Other Control
New Segment ID #	EO28MQ	Old Segment ID #	WA-48-1010
Stream Route #	48.821	Water Resource Inventory Area	48
Township	32N	Waterbody Grid #	
Range	22E	Grid Latitude	
Section	16	Grid Longitude	
Basis for Consideration of Listing	Caldwell and Catterson, 1992.SASSI, 1993 , Spring and Summer Chinook, and Summer Steelhead Stocks are depressed. Summer Steelhead have been listed as endangered in August 1997 under the Endangered Species Act.; Nehlson, et al. 1991 , Summer Chinook are at moderate risk of extinction and Summer Steelhead are at a high risk of extinction.; Four segments of the river meets all the Water Quality Program criteria for inadequate instream flow and have been added to the list. The Methow River spring and summer Chinook and the summer steelhead stocks are listed as depressed (SASSI, 1994). The Methow River IFIM Report provides the hydrology, IFIM fish habitat flows needed by the fish at the Walsh Site (RM 31.5), and the quantities of flow diverted by the biggest irrigation ditches. The ditches remove about 50% of the river flow and the existing river flow is far below what is needed by the fish. A 1992 memo summarizes a consensus by the agencies and Tribes of the flows needed by the Methow River fish reach by reach.		
Remarks	Shown in the proposed listing under old segment WA-48-1020 in error. The Walsh Site is on the next downstream old segment WA-48-1010 at RM 31.5.		

Water Name	METHOW RIVER		
Parameter	Temperature	Mediu	Water
Place on 1998 List?	No	Listed in 1996	No
		Action Needed	None
New Segment ID #	EO28MQ	Old Segment ID #	WA-48-1020
Stream Route #	63.518	Water Resource Inventory Area	48
Township	33N	Waterbody Grid #	
Range	22E	Grid Latitude	
Section	20	Grid Longitude	
Basis for Consideration of Listing	1 excursion beyond the criterion at Ecology ambient monitoring station 48A130 (RM 38.3) on 8/5/86.		
Remarks	A single excursion beyond the criterion does not meet the Water Quality Program Policy for listing.		

Water Name	METHOW RIVER		
Parameter	pH	Mediu	Water
Place on 1998 List?	No	Listed in 1996	No
		Action Needed	None
New Segment ID #	YX20MG	Old Segment ID #	WA-48-1010
Stream Route #	0.252	Water Resource Inventory Area	48
Township	30N	Waterbody Grid #	
Range	23E	Grid Latitude	
Section	21	Grid Longitude	
Basis for Consideration of Listing	1 excursion beyond the criterion out of 35 samples (3%) at Ecology ambient monitoring station 48A070 (RM 5.0) between 9/91 and 9/96.		
Remarks	A single excursion does not meet the Water Quality Program policy for listing. These excursions beyond the criterion are a natural condition with no direct human caused influence due to chemosynthetic iron oxidizing bacteria based on the 4/97 judgement of Kim Sherwood (Dept. of Ecology).		

Water Name	METHOW RIVER		
Parameter	Instream Flow	Mediu	Habitat
Place on 1998 List?	Yes	Listed in 1996	Yes Action Needed Other Control
New Segment ID #	EA28MQ	Old Segment ID #	WA-48-1040
Stream Route #	81.112	Water Resource Inventory Area	48
Township	34N	Waterbody Grid #	
Range	21E	Grid Latitude	
Section	11	Grid Longitude	
Basis for Consideration of Listing	<p>Caldwell and Catterson, 1992.SASSI, 1993 , Spring and Summer Chinook, and Summer Steelhead Stocks are depressed. Summer Steelhead have been listed as endangered in August 1997 under the Endangered Species Act.; Nehlson, et al. 1991 , Summer Chinook are at moderate risk of extinction and Summer Steelhead are at a high risk of extinction.; Four segments of the river meets all the Water Quality Program criteria for inadequate instream flow and have been added to the list. The Methow River spring and summer Chinook and the summer steelhead stocks are listed as depressed (SASSI, 1994). The Methow River IFIM Report provides the hydrology, IFIM fish habitat flows needed by the fish at the KOA Site (RM 49), and the quantities of flow diverted by the biggest irrigation ditches. The ditches remove about 50% of the river flow and the existing river flow is far below what is needed by the fish. A 1992 memo summarizes a consensus by the agencies and Tribes of the flows needed by the Methow River fish reach by reach.</p>		
Remarks			

Water Name	METHOW RIVER		
Parameter	Instream Flow	Mediu	Habitat
Place on 1998 List?	Yes	Listed in 1996	Yes Action Needed Other Control
New Segment ID #	EO28MQ	Old Segment ID #	WA-48-1050
Stream Route #	106.65	Water Resource Inventory Area	48
Township	36N	Waterbody Grid #	
Range	20E	Grid Latitude	
Section	31	Grid Longitude	
Basis for Consideration of Listing	<p>Caldwell and Catterson, 1992.SASSI, 1993 , Spring and Summer Chinook, and Summer Steelhead Stocks are depressed. Summer Steelhead have been listed as endangered in August 1997 under the Endangered Species Act.; Nehlson, et al. 1991 , Summer Chinook are at moderate risk of extinction and Summer Steelhead are at a high risk of extinction.; Four segments of the river meets all the Water Quality Program criteria for inadequate instream flow and have been added to the list. The Methow River spring and summer Chinook and the summer steelhead stocks are listed as depressed (SASSI, 1994). The Methow River IFIM Report provides the hydrology, IFIM fish habitat flows needed by the fish at the Weeman Site (RM 59), and the quantities of flow diverted by the biggest irrigation ditches. The ditches remove about 50% of the river flow and the existing river flow is far below what is needed by the fish. A 1992 memo summarizes a consensus by the agencies and Tribes of the flows needed by the Methow River fish reach by reach.</p>		
Remarks	<p>Shown in the proposed listing under old segment WA-48-1060 in error. The Weeman Site is on the next downstream old segment WA-48-1050 at RM 59.</p>		

Water Name	METHOW RIVER		
Parameter	Temperature	Mediu	Water
Place on 1998 List?	Yes	Listed in 1996	Yes Action Needed TMDL
New Segment ID #	JS73QX	Old Segment ID #	WA-48-1050
Stream Route #	0	Water Resource Inventory Area	48
Township	34N	Waterbody Grid #	
Range	21E	Grid Latitude	
Section	03	Grid Longitude	
Basis for Consideration of Listing	<p>Washington Dept. of Fish and Wildlife data show numerous excursions beyond the criterion at the inflow to the Winthrop National Fish Hatchery.</p>		
Remarks			

Water Name	METHOW RIVER		
Parameter	Temperature	Mediu	Water
Place on 1998 List?	<input type="checkbox"/> No	Listed in 1996	<input type="checkbox"/> Yes Action Needed <input type="text"/> None
New Segment ID #	<input type="text"/> YX20MG	Old Segment ID #	<input type="text"/> WA-48-1010
Stream Route #	<input type="text"/> 0.252	Water Resource Inventory Area	<input type="text"/> 48
Township	<input type="text"/> 30N	Waterbody Grid #	<input type="text"/>
Range	<input type="text"/> 23E	Grid Latitude	<input type="text"/>
Section	<input type="text"/> 21	Grid Longitude	<input type="text"/>
Basis for Consideration of Listing	<input type="text"/> Willms and Kendra, 1990. , 1 excursion at RM 5.0 on 8/29/89.		
Remarks	<input type="text"/> A single excursion beyond the criterion does not meet the Water Quality Program policy for listing.		

Water Name	TWISP RIVER		
Parameter	Temperature	Mediu	Water
Place on 1998 List?	<input type="checkbox"/> Yes	Listed in 1996	<input type="checkbox"/> Yes Action Needed <input type="text"/> TMDL
New Segment ID #	<input type="text"/> GC59OC	Old Segment ID #	<input type="text"/> WA-48-1030
Stream Route #	<input type="text"/> 0	Water Resource Inventory Area	<input type="text"/> 48
Township	<input type="text"/> 33N	Waterbody Grid #	<input type="text"/>
Range	<input type="text"/> 22E	Grid Latitude	<input type="text"/>
Section	<input type="text"/> 08	Grid Longitude	<input type="text"/>
Basis for Consideration of Listing	<input type="text"/> Willms and Kendra, 1990. , 2 excursions beyond the criterion near the mouth on 8/29/89 and 8/30/89.		
Remarks	<input type="text"/>		

Water Name	TWISP RIVER		
Parameter	Instream Flow	Mediu	Habitat
Place on 1998 List?	Yes	Listed in 1996	Yes Action Needed Other Control
New Segment ID #	GC59OC	Old Segment ID #	WA-48-1030
Stream Route #	4.227	Water Resource Inventory Area	48
Township	33N	Waterbody Grid #	
Range	21E	Grid Latitude	
Section	11	Grid Longitude	
Basis for Consideration of Listing	<p>Caldwell and Catterson, 1992.SASSI, 1993 , Spring Chinook Stock is depressed. Summer Steelhead have been listed as endangered in August 1997 under the Endangered Species Act.; Nehlson, et al. 1991 , Summer Chinook are at moderate risk of extinction and Summer Steelhead are at a high risk of extinction.; The river meets all the Water Quality Program Policy criteria for inadequate instream flow and has been added to the list. The Twisp River spring Chinook and Methow River spring and summer Chinook and the summer steelhead stocks are listed as depressed (SASSI,1994). The Methow River IFIM Report provides the hydrology, fish population information, IFIM fish habitat flows needed by the fish at RM 1.8, and the quantities of flow diverted by the biggest irrigation ditches. The ditches remove a large part of the river flow in late summer and fall. The existing river flow is far below what is needed by the fish at that time. A 1992 memo summarizing a consensus by the agencies and Tribes of the flows needed by the Twisp River fish.</p>		
Remarks			

Water Name	WOLF CREEK		
Parameter	Instream Flow	Mediu	Habitat
Place on 1998 List?	Yes	Listed in 1996	Yes Action Needed Other Control
New Segment ID #	BB48IN	Old Segment ID #	WA-48-1059
Stream Route #	0	Water Resource Inventory Area	48
Township	35N	Waterbody Grid #	
Range	21E	Grid Latitude	
Section	32	Grid Longitude	
Basis for Consideration of Listing	<p>Caldwell and Catterson, 1992.Nehlnson, et al. 1991.;The stream meets all the Water Quality Program Policy criteria for inadequate instream flow and has been added to the list. The Spring and Summer Chinook and Summer Steelhead stocks in the Methow River are listed as depressed (SASSI, 1993). Summer Steelhead have been listed as endangered in August 1997 under the Endangered Species Act. The USGS measured flows about 12 times in 1972, 1973, 1976 at 4 sites on Wolf Creek and in 6 diversions from Wolf Creek. The USGS found the Creek near its mouth to have zero flow on 7-20-1973, 8-15-1973, and 9-13-1973 while about 3 miles upstream Wolf Creek had a flow of 5.17 cfs, 5.56 cfs, and 3.36 cfs, respectively. The diversions measured in between the two sites showed over half of the stream flow being diverted down the irrigation ditches. This stream has one of the better populations of bull trout in the basin. The Yakama Indian Nation (submittal by Carroll palmer on2/28/96) reports that the Creek has gone dry in the lower 0.7 mile on multiple occasions in August and September from 1992-1994 and that juvenile Chinook and Steelhead were observed in the reach In June, 1993.</p>		
Remarks			